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UTILITY PATENT APPLICATION TRANSMITTAL

(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
P 23, 611-A USA

Total Pages in this Submission

TO THE ASSISTANT COMMISSIONER FOR PATENTS

Box Patent Application
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

Bioengineered Vehicles for Targeted Nucleic Acid Delivery

and invented by:

J.S. Huston; P. Wils; Q. Zhu; O. Laurent; W.A. Marasco and D. Scherman

If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____

Which is a:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____

Which is a:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____

Enclosed are:

Application Elements

1. Filing fee as calculated and transmitted as described below

2. Specification having 77 pages and including the following:
 - a. Descriptive Title of the Invention
 - b. Cross References to Related Applications (*if applicable*)
 - c. Statement Regarding Federally-sponsored Research/Development (*if applicable*)
 - d. Reference to Microfiche Appendix (*if applicable*)
 - e. Background of the Invention
 - f. Brief Summary of the Invention
 - g. Brief Description of the Drawings (*if drawings filed*)
 - h. Detailed Description
 - i. Claim(s) as Classified Below
 - j. Abstract of the Disclosure

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Application Elements (Continued)

3. Drawing(s) (*when necessary as prescribed by 35 USC 113*)
 - a. Formal Number of Sheets _____
 - b. Informal Number of Sheets **19**
4. Oath or Declaration
 - a. Newly executed (*original or copy*) Unexecuted
 - b. Copy from a prior application (37 CFR 1.63(d)) (*for continuation/divisional application only*)
 - c. With Power of Attorney Without Power of Attorney
 - d. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application,
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. Incorporation By Reference (*usable if Box 4b is checked*)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. Computer Program in Microfiche (*Appendix*)
7. Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all must be included*)
 - a. Paper Copy
 - b. Computer Readable Copy (*identical to computer copy*)
 - c. Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. Assignment Papers (*cover sheet & document(s)*)
9. 37 CFR 3.73(B) Statement (*when there is an assignee*)
10. English Translation Document (*if applicable*)
11. Information Disclosure Statement/PTO-1449 Copies of IDS Citations
12. Preliminary Amendment
13. Acknowledgment postcard
14. Certificate of Mailing

First Class Express Mail (*Specify Label No.:*) **EL 729185821 US**

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Accompanying Application Parts (Continued)

15. Certified Copy of Priority Document(s) (*if foreign priority is claimed*)

16. Additional Enclosures (*please identify below*):

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

17. Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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Fee Calculation and Transmittal

CLAIMS AS FILED					
For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	52	- 20 =	32	x \$18.00	\$576.00
Indep. Claims	2	- 3 =	0	x \$80.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
					BASIC FEE \$710.00
OTHER FEE (specify purpose)					\$0.00
					TOTAL FILING FEE \$1,286.00

- A check in the amount of \$1,286.00 to cover the filing fee is enclosed.
- The Commissioner is hereby authorized to charge and credit Deposit Account No. 19-5425 as described below. A duplicate copy of this sheet is enclosed.
- Charge the amount of \$1,286.00 as filing fee.
- Credit any overpayment.
- Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).



Signature

Dated: June 25, 2001

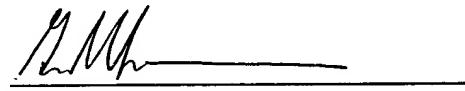
Peter J. Kelly, Esquire
Registration No. 34,638
Synnestvedt & Lechner LLP
2600 Aramark Tower
1101 Market Street
Philadelphia, PA 19107

CC:

Attorney Docket P 23,611 A-USA

CERTIFICATE OF EXPRESS MAILING

I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service on this date, June 25, 2001 in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EL 729185821 US addressed to the : Commissioner of Patents, Box Patent Application, Washington, DC 20231.



Signature

Gene J. Yao

Print Name

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LAW OFFICES OF
SYNNESTVEDT & LECHNER LLP
2600 ARAMARK TOWER
1101 MARKET STREET
PHILADELPHIA, PA 19107-2950
TELEPHONE (215) 923-4466
FACSIMILE (215) 923-2189
E-MAIL synnlech@synnlech.com
www.synnlech.com

June 25, 2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

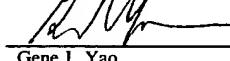
In re/ Application of J.S. Huston, P. Wils, Q. Zhu, O. Laurent, W.A. Marasco,
and D. Scherman
Application No. : As yet unassigned
Filed: Herewith

**BIOENGINEERED VEHICLES FOR
TARGETED NUCLEIC ACID DELIVERY**

(Attorney Docket No. P23,611-A USA)

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" service, Express Mail Label No. EL 729185821 US in an envelope addressed to: Commissioner for Patents, Box Patent Application, Washington, DC 20231 on June 25, 2001.



Gene J. Yao

Commissioner for Patents
Box Patent Application
Washington, DC 20231

Sir:

In accordance with the rules set forth for an Application Disclosure Containing Nucleotide and/or Amino Acid Sequences, I hereby certify that the content of the paper